

4 control of the GPS-equipped mobile terminal, a method for determining the  
5 approximate position of the GPS-equipped mobile terminal, said method comprising  
6 the steps of:

7 demodulating signals received from a multiplicity of GPS satellites at a  
8 reference GPS receiver, said reference GPS receiver being connected to the wireless  
9 telecommunications system and having a determinate physical location relative to the  
10 Base Transceiver Station;

11 recovering respective navigational data signals from each of said  
12 demodulated GPS signals;

13 originating a request for approximate navigational information from the  
14 GPS-equipped mobile terminal to the Base Transceiver Station;

15 transmitting recovered navigational data signals to the GPS-equipped  
16 mobile terminal responsive to said request for approximate navigational information;  
17 and

18 determining, within said GPS-equipped mobile terminal, and from said  
19 transmitted navigational data signals, the approximate location of the GPS-equipped  
20 mobile terminal.

13. (Amended) In a wireless telecommunications system having a Base  
Transceiver Station and a mobile terminal equipped with a Global Positioning System  
(GPS) receiver, the Base Transceiver Station having operational control of the GPS-

4                   equipped mobile terminal, a method for determining the approximate position of the  
5                   GPS-equipped mobile terminal, said method comprising the steps of:

6                         demodulating signals received from a multiplicity of GPS satellites at a  
7                         reference GPS receiver, said reference GPS receiver being connected to the wireless  
8                         telecommunications system and having a determinate physical location relative to the  
9                         Base Transceiver Station;

10                         computing an estimated location of said reference GPS receiver using  
11                         said demodulated signals from said GPS satellites;

12                         originating a request for approximate locational information from the  
13                         GPS-equipped mobile terminal to the Base Transceiver Station;

14                         transmitting said estimated location of said reference GPS receiver from  
15                         the Base Transceiver Station to the GPS-equipped mobile terminal responsive to said  
16                         request for approximate locational information; and

17                         determining, within said GPS-equipped mobile terminal, and from said  
18                         transmitted location of said reference GPS receiver, the approximate location of the  
19                         GPS-equipped mobile terminal.

1                         24.         (Amended) In a wireless telecommunications system having a Base  
2                         Transceiver Station and a mobile terminal equipped with a Global Positioning System  
3                         (GPS) receiver, the Base Transceiver Station having operational control of the GPS-  
4                         equipped mobile terminal, a system for determining the approximate position of the

5 GPS-equipped mobile terminal, said system comprising:

6 demodulation means for demodulating signals received from a  
7 multiplicity of GPS satellites at a reference GPS receiver, said reference GPS receiver  
8 being connected to the wireless telecommunications system and having a determinate  
9 physical location relative to the Base Transceiver Station;

10 signal recovery means for recovering navigational data signals from each  
11 of said demodulated signals from said GPS satellites;

12 requesting means for requesting approximate navigational information  
13 for the GPS-equipped mobile terminal from the Base Transceiver Station;

transmission means for transmitting said recovered navigational data signals to the GPS-equipped mobile terminal responsive to said request for approximate navigational information; and

17 determination means for determining, within said GPS-equipped mobile  
18 terminal, from said transmitted navigational data signals to determine the approximate  
19 location of the GPS-equipped mobile terminal.

1                   36. In a wireless telecommunications system having a Base Transceiver

2 Station and a mobile terminal equipped with a Global Positioning System (GPS)

3 receiver, the Base Transceiver Station having operational control of the GPS-equipped  
4 mobile terminal, a system for determining the approximate position of the GPS-  
5 equipped mobile terminal, said system comprising: